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August 15, 2001
Date

Sandy Reisman

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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| Applicants | : | Edward Balassanian and David S. Wolf |
| Application | : | 09/304,973 Confirmation No. 1456 |
| Filed | : | May 4, 1999 |
| For | : | METHOD AND SYSTEM FOR GENERATING A MAPPING BETWEEN TYPES OF DATA |

| | | |
|---|---|---|
| Docket No. | : | 29451-8004US |
| Date | : | August 14, 2001 |

Commissioner for Patents
Washington, DC 20231

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. §§ 1.56 and 1.97 through 1.98, applicants wish to make known to the Patent and Trademark Office the references set forth on the attached form PTO/SB/08A (copies of the cited references, as required under 37 C.F.R. § 1.98, are enclosed). Although the aforesaid references are made known to the Patent and Trademark Office in compliance with applicants' duty to disclose all information of which they are aware that is believed relevant to the patentability of the above-identified application, applicants believe that their invention is patentable. As to any document supplied, applicants do not admit that it is "prior art" under 35 U.S.C. §§ 102 or 103, and specifically reserve the right to antedate any such document, as by a showing under 35 C.F.R. § 1.131 or other method.

Please acknowledge receipt of this Information Disclosure Statement and kindly make the cited references of record in the above-identified application.

Respectfully submitted,
Perkins Coie LLP

Maurice J. Pirio
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MJP:SBR

Enclosures:
Form PTO/SB/08A
Cited References (18)

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Approved for use through 10/31/99. OMB.0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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#8 IDS 8/24/01

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

*(use as many sheets as necessary)*

| *COMPLETE IF KNOWN* | |
|---|---|
| **Application Number** | 09/304,973 |
| **Confirmation Number** | 1456 |
| **Filing Date** | May 4, 1999 |
| **First Named Inventor** | Edward Balassanian |
| **Group Art Unit** | 2151 |
| **Examiner Name** | |
| **Attorney Docket No.** | 29451-8004US |

| Sheet | 1 | of | 1 |
|---|---|---|---|

## U.S. PATENT DOCUMENTS

| *EXAMINER INITIALS* | Cite No. | U.S. Patent Document NUMBER | Kind Code (if known) | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
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## OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

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| | AC | Amir, E. et al., "An Active Service Framework and its Application to Real-time Multimedia Transcoding", Proc. of the SIGCOMM '98, University of California at Berkeley, August 1998, pp. 1-12 ✓ | |
| | AD | Campbell, A. T. et al., "A Survey of Programmable Networks", *ACM SIGCOMM Computer Communication Review*, Columbia University, April 1999, 18 pages ✓ | |
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| | AF | Fox, A. et al., "Adapting to Network and Client Variation Using Infrastructural Proxies: Lessons and Perspectives", *IEEE Personal Communication*, University of California at Berkeley, August 1998, 15 pages ✓ | |
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| | AI | Gribble, S. D. et al., "The Ninja Architecture for Robust Internet-Scale Systems and Services", University of California at Berkeley, http://ninja.cs.berkeley.edu, accessed August 2, 2001, 18 pages ✓ | |
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| | AN | Nakao, A. et al., "Constructing End-to-End Paths for Playing Media Objects", Proc. of the OpenArch '2001, Princeton University, March 2001, 12 pages ✓ | |
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| | AS | Wethrall, D. J. et al., "ANTS: A Toolkit for Building and Dynamically Deploying Network Protocols", Proc. of 2nd IEEE OPENARCH, MIT, 1998, pp. 1-12 ✓ | |
| | AT | Yavis, M. et al., "Conductor: A Framework for Distributed Adaptation", Proc. of the Seventh Workshop on Hot Topics in Operating Systems, UCLA, March 1999, 6 pages ✓ | |

| EXAMINER | DATE CONSIDERED |
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